

## RESERVOIR 27

## BENCHMARK BENCHMARK # "SD 34" M.C.S.D. ELEVATION= 2590.24273 IFT (NAVD '88)

DESCRIPTION: ALUM CAP 2" DAL, SET IN CONC. 65 FT. NORTHEAST OF THE SOUTH 1/4 CORNER OF SEC. 35, T. 21 N., R.18 W. AND THE INTERSECTION OF SHIWARUMP DR. AND HOPE RD., STAMPED "5D 34 1999 RLS 10343."

BASIS OF BEARING

NORTH 00-13'38" EAST — THE WEST LINE OF THE NORTHMEST QUARTER (NW 1/4) OF SECTION 02, TOWNSHIP 20 NORTH, RANGE 18 WEST, GILA & SALT RIVER HERDIDAN, NOHAVE COUNTY, ARIZONA, AS DETERMINED BY THE ARIZONA COORDINATE SYSTEM OF 1983 (AZB3-MF), MEST ZONE, INTERNATIONAL FOOT (FF), UTILIZING FAST STATIC OBSERVATIONS PROCESSED BY NGS-OPUS.

M.C.S.D. 'SD 32" =

LATTUDE 35-09'22,70034"N, LONGITUDE 114-09'21.57240"W (NAD '83) HEIGHT 2562,46391iit (NAND'88)

STONE 1/4 COR 3/2 = LATITUDE 35-08'55.53385'N, LONGITUDE 114-10'30.72281'N (NAD'88) HEIGHT 2498.2045881 (NAND'88)

AZTEC ROAD BOLSA ROAD **PROJECT** REDWALL DRIVE VICINITY MAP HOPE ROAD SITE DIABASE DRIVE NEWGARD DRIV HOUCK ROAD BACOBI ROAD

12 13 14 14 15 16 16 17 17 18 18 19 20 21 22 23 24 24

Conduit block Diagram Standard Details

PROCESS AND INSTRUMENTATION DIAGRAM P&ID SYMBOLS AND LEGEND STANDARD DETAILS COMMUNICATION SYSTEM ARCHITECTURE

POHER AND GROUNDING PLAN SINGLE LINE AND PANEL SCHEDULE FENCE AND GATE DETAILS ELECTRICAL SYMBOLS AND LEGEND

SCHEMATIC/CONNECTION DIAGRAM

Reservoir details

RESERVOIR DETAILS RESERVOIR SECTIONS AND DETAILS YARD PIPING PROFILES

YARD PIPING PROFILES YARD PIPING PLAN

RESERVOIR PLAN AND SECTIONS

GRADING SECTIONS AND DETAILS

CAS:
SOLID WASTE COLLECT:
SOLID WASTE DISPOSAL:
FIRE DISTRICT: IELEPHONE:

UTILITIES
SEWACE DISPOSAL:
WATER:
ELECTRICITY:

PERKINS MOUNTAIN
PERKINS MOUNTAIN
PERKINS MOUNTAIN
UNISOURCE ENERGY
FRONTIER
UNISOURCE ENERGY
WASTE MANAGEMENT
3
MOHANE COUNTY
COLIDEN VALLEY FIRE DEPARTMENT
3

2498 AIRWAY AKENUE (928) 681-4129
2202 STOCKTON HILL (928) 753-3000
2498 AIRWAY AKENUE (928) 681-4129
3250 GATIN DRIVE(928) 718-4900
201 N. 4TH SIREET(928) 753-0723
NT 3327 N. MAYER RD.(928) 565-3479

INDEX OF SHEETS

DESCRIPTION

GRADING PLAN OVERALL SITE AND SURVEY CONTROL PLAN GENERAL ABBREVATIONS, GENERAL NOTES GENERAL MECHANICAL, SITE PLAN LEGEND

STANLEY CONSULTANTS, INC. 5820 S. EASTERN AVENUE SUITE 200 LAS VEGAS, NEVADA 89119 (702) 369–9396 ENGINEER

KINGMAN, ARIZONA 86401 (928) 718-2210 RHODES HOMES ARIZONA, LLC 2215 HUALAPAI MTN, RO.

DEVELOPER

SOUTH DAKOTA CONSERVANCY L.L.C. 4730 S. FORT APACHE ROAD SUITE 300 LAS VEGAS, NEVADA 89147 (702) 873—5538

OWNER

CONSTRUCTION Stanley Consultants INC. DRAWING NO. G1 SCALE (H) N/A SCALE (V) N/A Design by: Buh REVISIONS DATE DRAFTED BY: RDB CKECKED BY: FLO. BK. # N/A 1/18/06 SHEET: DATE: GOLDEN VALLEY RANCH POTABLE WATER RESERVOIR 2750 N-1 RHODES HOMES TITLE SHEET 2750-NORTH SITE

ABBREVIATIONS

**ABBREVIATIONS** 

GENERAL NOTES

NOT TO SCALE
OUTSIDE AIR
OPPOSED BLADE DAMPER
ON CENTER

cess and instrumentation d It of curve It of tangent

DIAGRAN

HANDUNG UNIT BENCHWARK

OF DUCT ELEVATION ING OF VERTICAL CURVE ELEVATION
TELEVISION FLANCE of PIPE ELEVATION CONCRETE AIR ( CONDITIONING

TOP OF CONCRETE
TERMINAL BLOCK
TUBULAR STEEL
TOP OF WALL
TOWARDS SCHEDULE SUPPLY FAN SLEEVE MECHANICAL OF STAINLESS STEEL

VITATED CLAY PIPE
VERTICAL CURVE
VOLUME DAMPER
VALLEY GUTTER
VERTICAL
VERTICAL
ROOF ALVE BOX AND COVER ESS NOTED OTHERWISE

ANY RELOCATION, MODIFICATION, ECT., OF EXISTING UTILITIES AND/OR PUBLIC IMPROVEMENTS NECESSITATED BY PROPOSED DEVELOPMENT SHALL BE AT NO EXPENSE TO THE COUNTY.

ALL GRADING SHALL CONFORM TO THE UNIFORM BUILDING CODE. AS ADDOPTED AND MODIFIED BY MOHAVE COUNTY.

ectrical transformer

11. WHERE SOIL IS TO BE REMOVED FROM THE SITE, THE CONTRACTOR SHALL DESIGNATE THE LOCATION WHERE THE FILL WILL BE PLACED AND OBTIAN A LETTER FROM THE OWNER OF THAT PROPERTY ALLOWING THE PLACEMENT OF THE MATERIAL SHALL BE SUBJECT TO THE APPLICABLE REQUIREMENTS AND PERMITS OF THE GOVERNING WITCH THE CONTRIBUTE OF THE C ALL REQUIRED TRAFFIC CONTROL DEVICES SHALL CONFORM TO TH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST

13. EXCEPT FOR THE WORK PREFORMED UNDER THE TERMS OF A FRANCHSE, OR WORK PREFORMED BY A COMERMIENTAL ACENCY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURNO. THAT ALL WORK IS INSPECTED AND ILISTED BY OR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER WHO SHALL HOLD A VALID REGISTRATION IN THE STATE OF ARIZONA.

16. WATER MAIN SHALL BE TESTED IN ACCORDANCE WITH MAG. 610-14, AND IN ACCORDANCE WITH MAG. SECTION 610.14 DUCTILE IRON PIPE. SECTION

. UTILITY FACILITIES, SHOWN OR NOT SHOWN IN CONFLICT WITH THIS WOOR SHALL BE RELOCATED BY THE GENERAL CONTRACTOR AS REQUIRED. THIS ACTIVITY SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY TO PREVENT ANY UNNECESSARY INTERRUPTION OF SERVICE.

ALL WORK SHALL BE DONE IN ACCORDANCE WITH MOHAVE COUNTY STANDARD SPECIFICATIONS AND STANDARD DEFAULS, AND OTHER COUNTY ADDREDS STANDARDS, UNLESS OFHERWISE APPROVED BY THE COUNTY ENGINEER, OR UNLESS APPROVED AS A PETITION OF EXCEPTION BY HEARING OF THE PLANNING AND ZONING COMMISSION AND THE BOARD OF SUPERNISORS.

THE CONTRACTOR SHALL OBTAIN A RICHT-OF-WAY USE PERMIT FOR ANY WORK TO BE PERFORMED WITHIN THE RICHT-OF-WAY UNDER THE OWNERSHIP OR CONTROL OF MOHAVE COUNTY.

Maprovements will not be accepted until certified record drawings (As-Builts), including all test results, have been submitted and accepted by the county.

THE DEVELOPER, ANY SUCCESSORS, AND ASSIGNS, WILL HOLD THE COUNTY OF MUNIARE, ITS OFFICERS, EMPLOYEES, AND ACENTS HARMLESS FROM ANY AND ALL CLAMS FOR DAMAGES RELATED TO THE USE: OF THIS DEVELOPMENT AS SHOWN HEROW, NOW AND THE FUTURE, BY REASON OF FLOODING, FLOWAGE, EROSION, OR DAMAGE, CAUSED-BY-MINER, WHETHER SURFACE FLOOD OR—

dranage will remain in its natural state and will not be altered , disturbed, or obstructed other than as shown on this development plan.

A FLOODPLAIN USE PERMIT AND FINISHED FLOOR ELEVATION CERTIFICATE ARE REQUIRED FOR ALL PLACELS LOCATED WITHIN THE FEALA DESIGNATED AREAS OF SPECIAL FLOOD HAZARD FOR THE 100—YEAR STORM.

THE CONTRACTOR SHALL FOLLOW ALL BLUE STAKE LAWS AND NOTIFY BLUE STAKE (1-800-STAKE-IT), BEFORE DIGGING.

12. PAYMENT FOR CONSTRUCTION SHALL BE MADE ON THE BASIS OF UNIT PRICE BID IN THE CONTRACTORS PROPOSAL. ALL TIEMS CALLED FOR ON THE PLANS BUT NOT USTED IN BID TIEMS SHALL BE CONSIDERED INCIDENTAL SAID TIEMS INCLUDE BUT ARE NOT LIMITED TO: WATER UNE BLOCKING, NON-METALLIC TAPE, TESTING, SALVAGING MATERIAL, EXISTANG UTILITIES CONNECTIONS, ETC.

14. WATER METER COVERS SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 310, AND WATER METER BOXES SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD DETAIL NO. 320. 13. ALL TAPPING SLEEVES, VALVES AND VALVE BOXES ON WATERLINES SHALL WEET THE REQUIREMENTS OF WAAG. SPECIFICATIONS SECTION 630, AND W.A.G. STANDARD DETAIL NO. 340.

15. ALL FITINGS AND VALVES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. ALL VALVES ARE TO BE

ALL EXISTING STREET PAVEMENT DISTURBED BY CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH M.A.G. STANDARD DETAIL NO.

3. THIS SET OF PLANS HAS BEEN REVIEWED FOR COMPLIANCE WITH COUNTY REQUIREMENTS PRIOR TO ISSUANCE OF CONSTRUCTION PERMITS. HOWEVER, SUCH REVIEW SHALL NOT PREVENT THE COUNTY FROM REQUIRING CORRECTION OF ERRORS IN PLANS FOUND TO BE IN VIOLATION OF EAY LAW OR ORDINANCE, REVIEW AND APPROVAL OF PLANS DOES NOT RELEASE ANY DEVELOPER OR DEVICIENCE FROM RESPONSIBILITY FOR ERRORS OR OMISSIONS ON

CURB STOP WITH FLUSHING PIPES SHALL BE CONSTRUCTED REQUIRED BY MAJG. STANDARD DETAIL NO. 390, TYPE "A", A AMENDED BY THE CITY OF KINGMAN.

REQUIREMENTS OF MAG. STANDARD DETAIL NO. 301. ALL THRUST BLOCKING FOR WATER LINES SHALL MEET THE REQUIREMENTS OF WAG. STANDARD DETAIL NO. 380.

CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS AND DISTONS,AND SHALL NOTIFY THE ENGINEER OF ALL DISCREPANCIES IR TO THE COMMENCEMENT OF WORK,

THE CO

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "UNIFORM STRANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION" AND "UNIFORM STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION" SPONSCORED AND DISTRIBUTED BY THE MARCOPA ASSOCIATION OF COVERNMENTS (M.A.G.), IN ACCORDANCE WITH A.D.E.O. ENGINEERING BULLETIN NO. 10, TOGETHER WITH THESE PLANS.

2. THE LOCATION OF UTILITIES SHOWN IS BASED UPON BEST INFORMATION AVAILABLE. THE LOCATIONS AS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES AND BURED CABLES PRIOR TO COUNTENCEMENT OF ANY CONSTRUCTION BY CALLING.

BLUE STAKE 1-800-STAKE-IT
AT LEAST 2 WORKING DAYS IN ADMINIST. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES IN PROTECTING AND WORKING AROUND THEIR UTILITIES & SERVICE LINES.

CONTRACTOR SHALL ACQUIRE & PAY FOR ALL NECESSARY PERMITS

WATER MAIN SHALL BE DUCTLE IROW, MEETING THE DESIGN REQUIREMENTS OF AWAA C-150 AND MANUFACTURER REQUIREMENTS OF AWAA C-151.

WATER LINES SHALL BE DISINFECTED IN ACCORDANCE WITH A.D.E.Q. ENGINEERING BULLETIN NO. 8.

SITE GRADING

WATER/SEWER SEPARATION SWALL MEET THE REQUIREMENTS OF R18—4—502C (LATEST REVISION). SEPARATION SHALL BE A MINIMUM OF 2' VERTICAL AND 6' HORIZONTAL

TRENCHING AND BACK FILL SHALL MEET THE REQUIREMENTS OF M.A.G. STANDARD SPECIFICATION 601. COMPACTION DENSITIES SHALL BE 95% FROM THE SURFACE TO 2' BELOW SURFACE.

ALL FITTINGS FOR WATER MAINS SHALL MEET THE REQUIREMENTS M.A.G. STANDARD SECTION 752.

1. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE FOOD SITE CONDITIONS DUPING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THUS REQUIREMENT SHALL BE MADE TO APPLYING CONTRIJOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS, AND THE CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY, AND HOUT THE DESIGN PROFESSIONAL HARMLESS FROM ALL LIABILTY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLISENCE OF THE DESIGN PROFESSIONAL.

ENGINEER'S NOTES

ESTIMATE OF QUANTITIES

1.0 MG SIEEL RESERY
12" DUCTILE IRON PIPE
24" DUCTILE IRON PIPE
12" MICP STI.
12" STI. PIPE
12" RCP PIPE
12" RCP PIPE
12" GV & VB+C
12" BUTTERFLY VALVE
24" BUTTERFLY VALVE
24" BUTTERFLY VALVE IRON PIPE N RESERVOIR & FOUNDATION

SHEET:

690 400 14 53 63 

CONSTRUCTION G2 G2

**GENERAL** ABBREVIATIONS, GENERAL NOTES

Stanley Consultants INC 5820 SOUTH EASTERN AVENUE, SU LAS VEGAS, NEVADA 89119 (702 **GOLDEN VALLEY RANCH** POTABLE WATER

RESERVOIR 2750 N-1

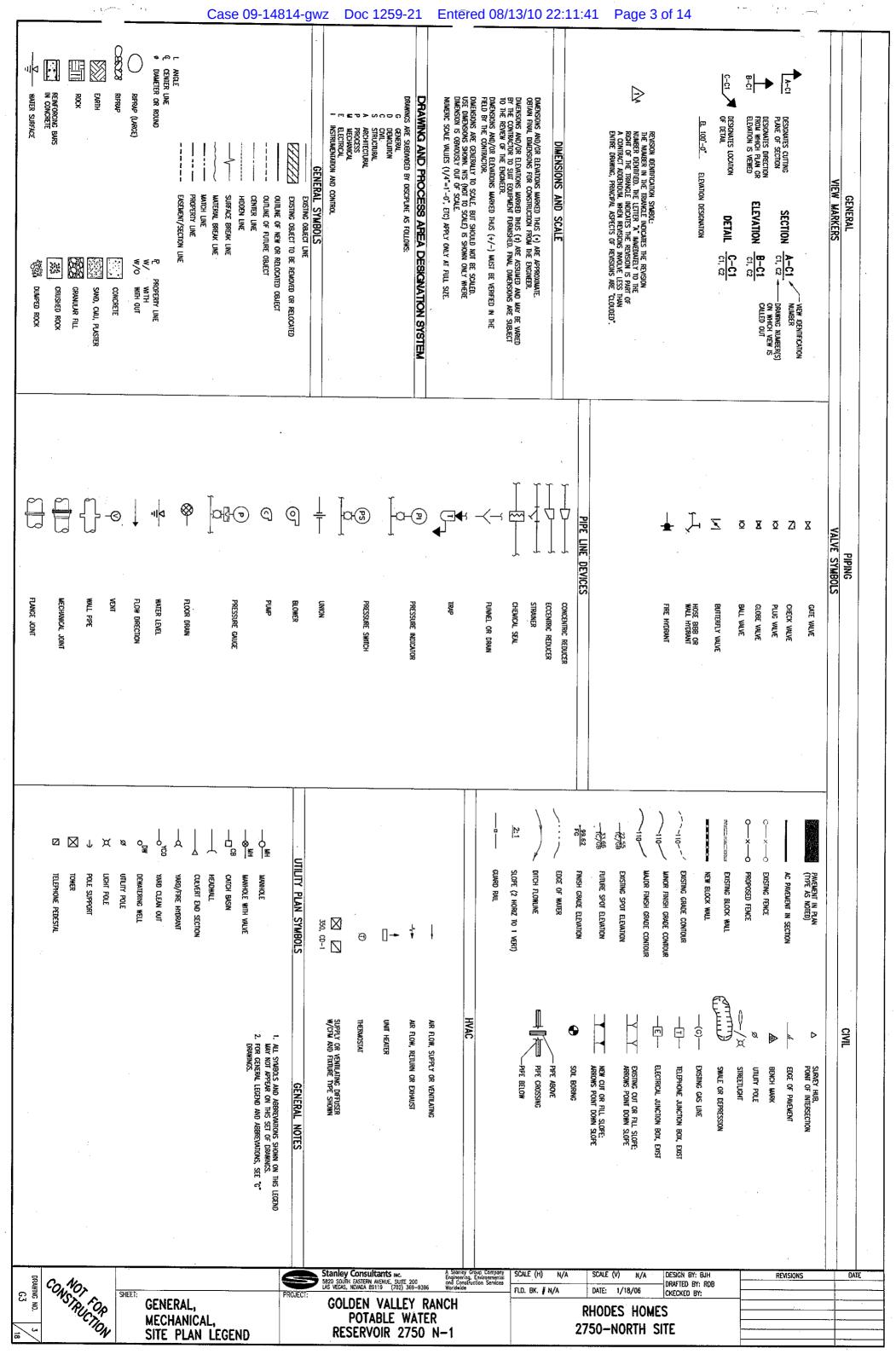
SCALE (H) N/A FLD. BK. 🛙 N/A DATÉ: 1/18/06 FEMA FLOOD CONTROL

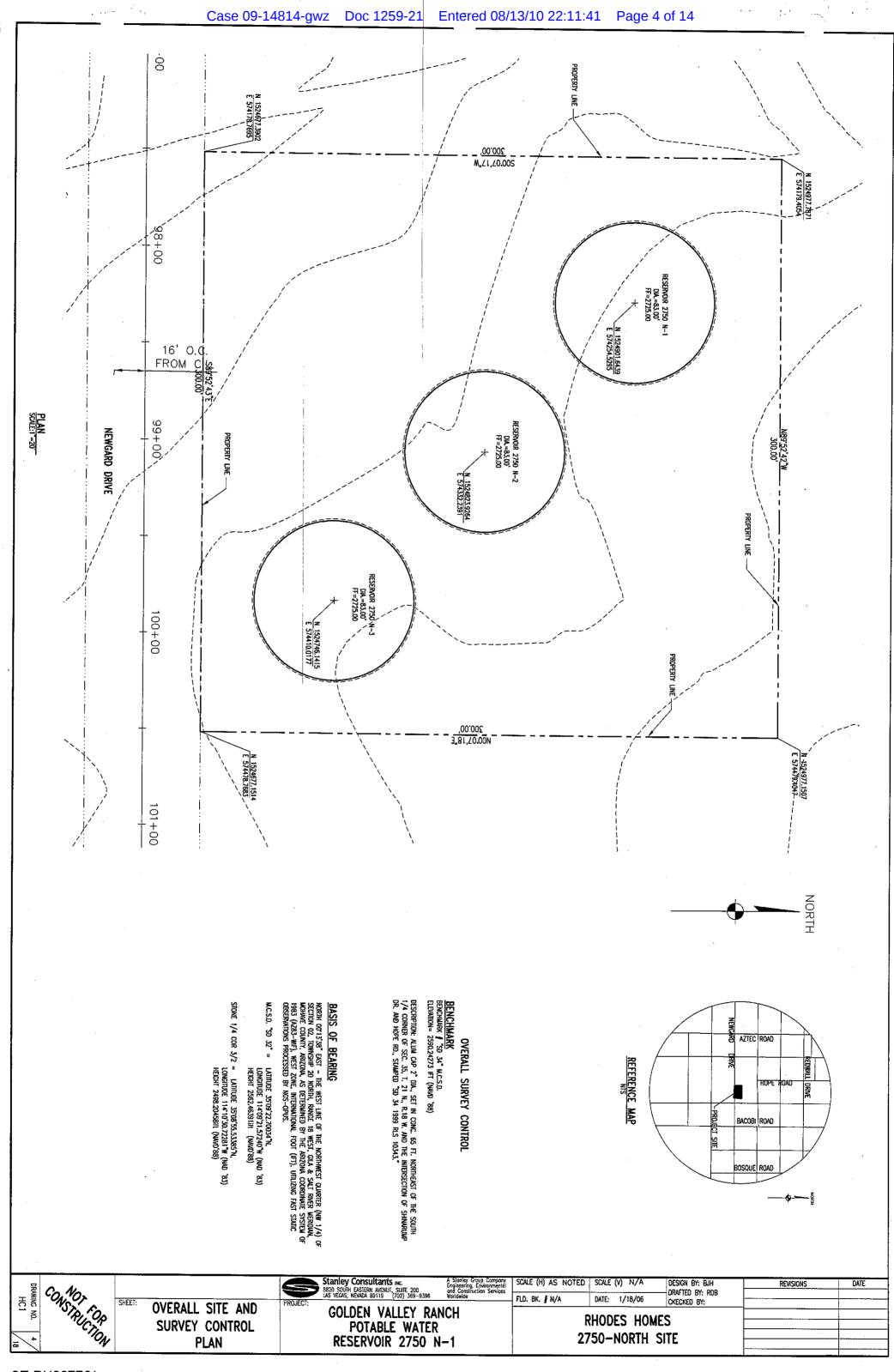
FLOOD ZONE DESIGNATION: FEMA-C

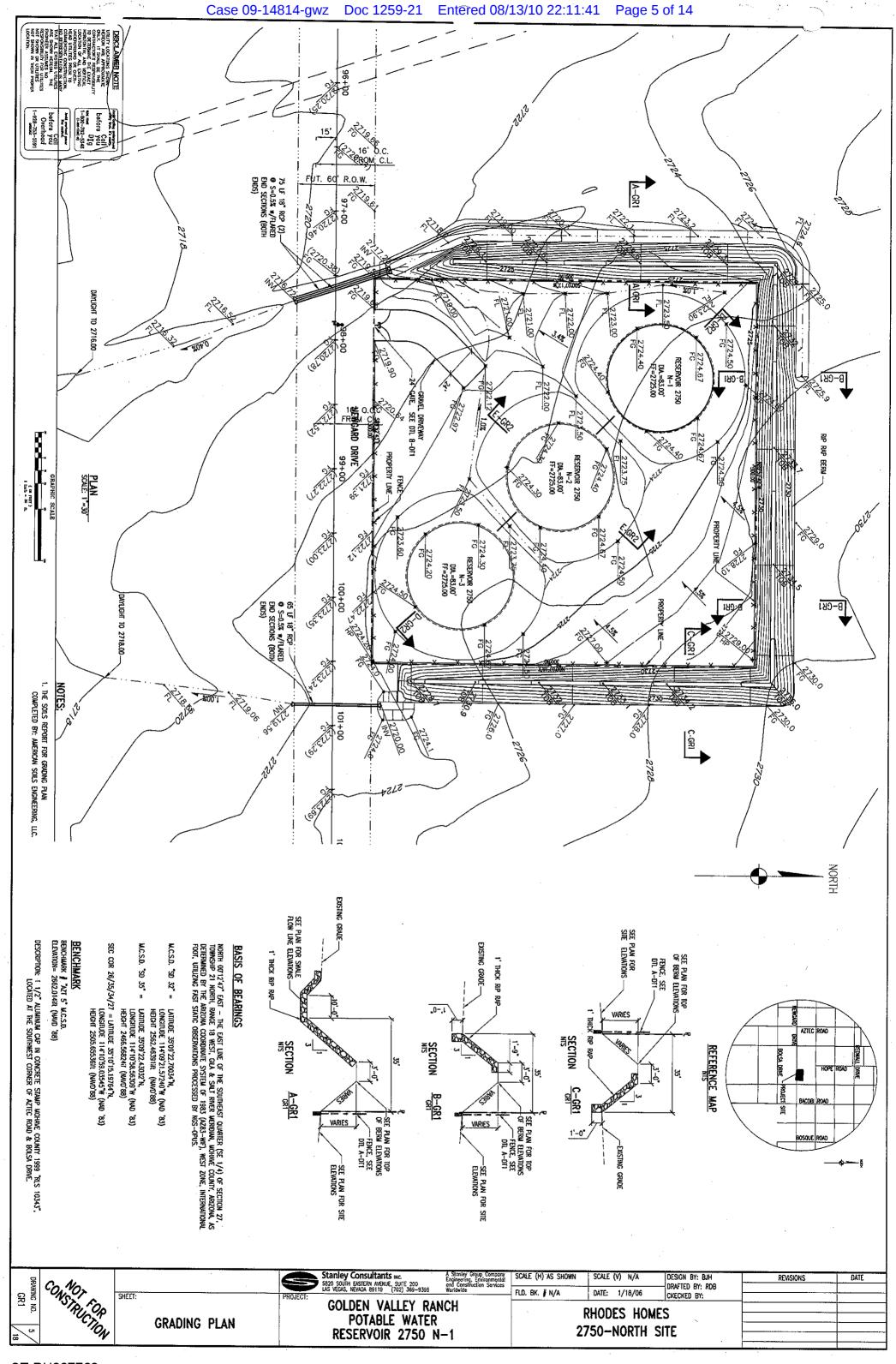
SCALE (V) REVISIONS DATE DRAFTED BY: RDB CKECKED BY: RHODES HOMES 2750-NORTH SITE

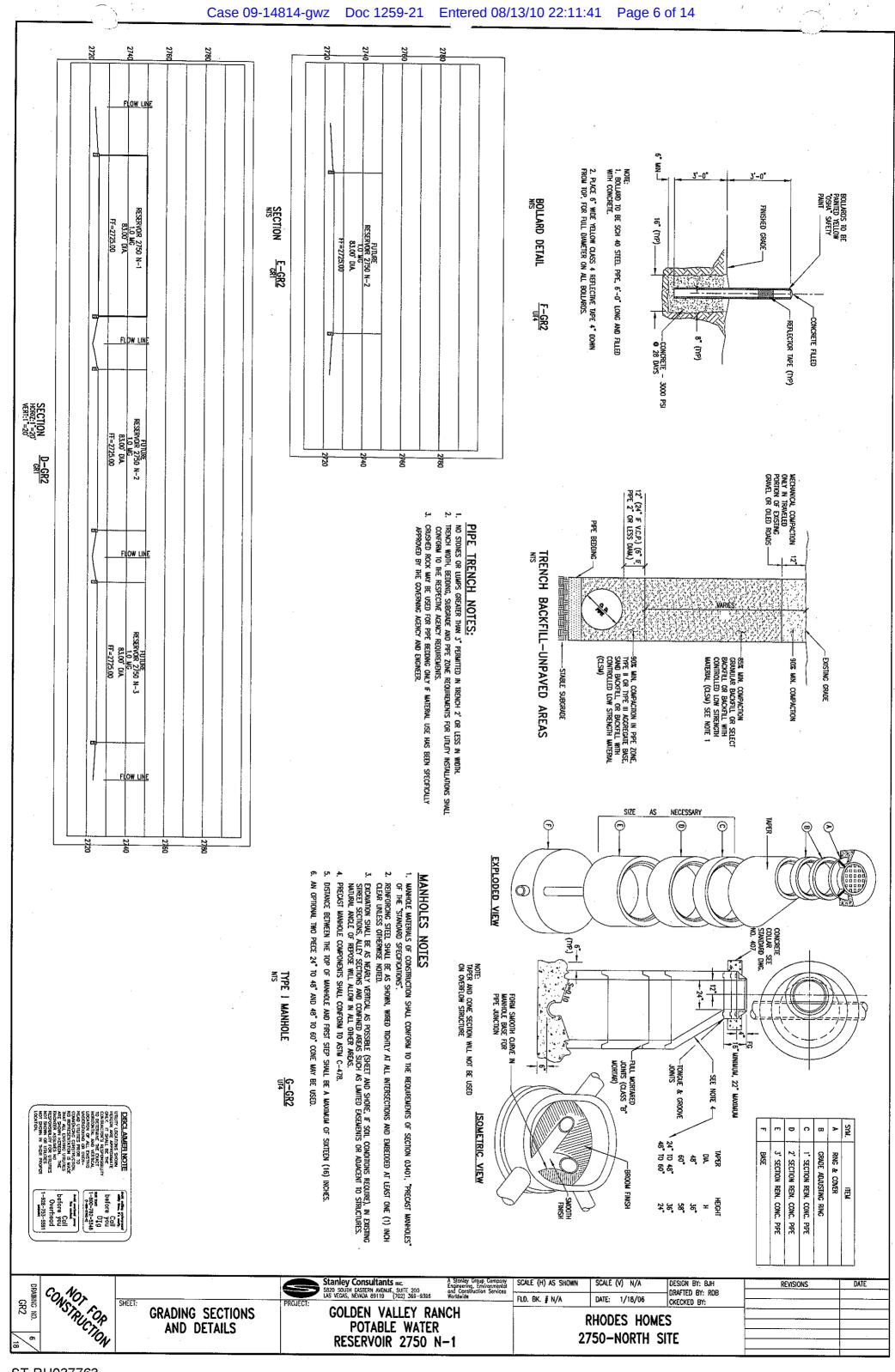
ξĚ

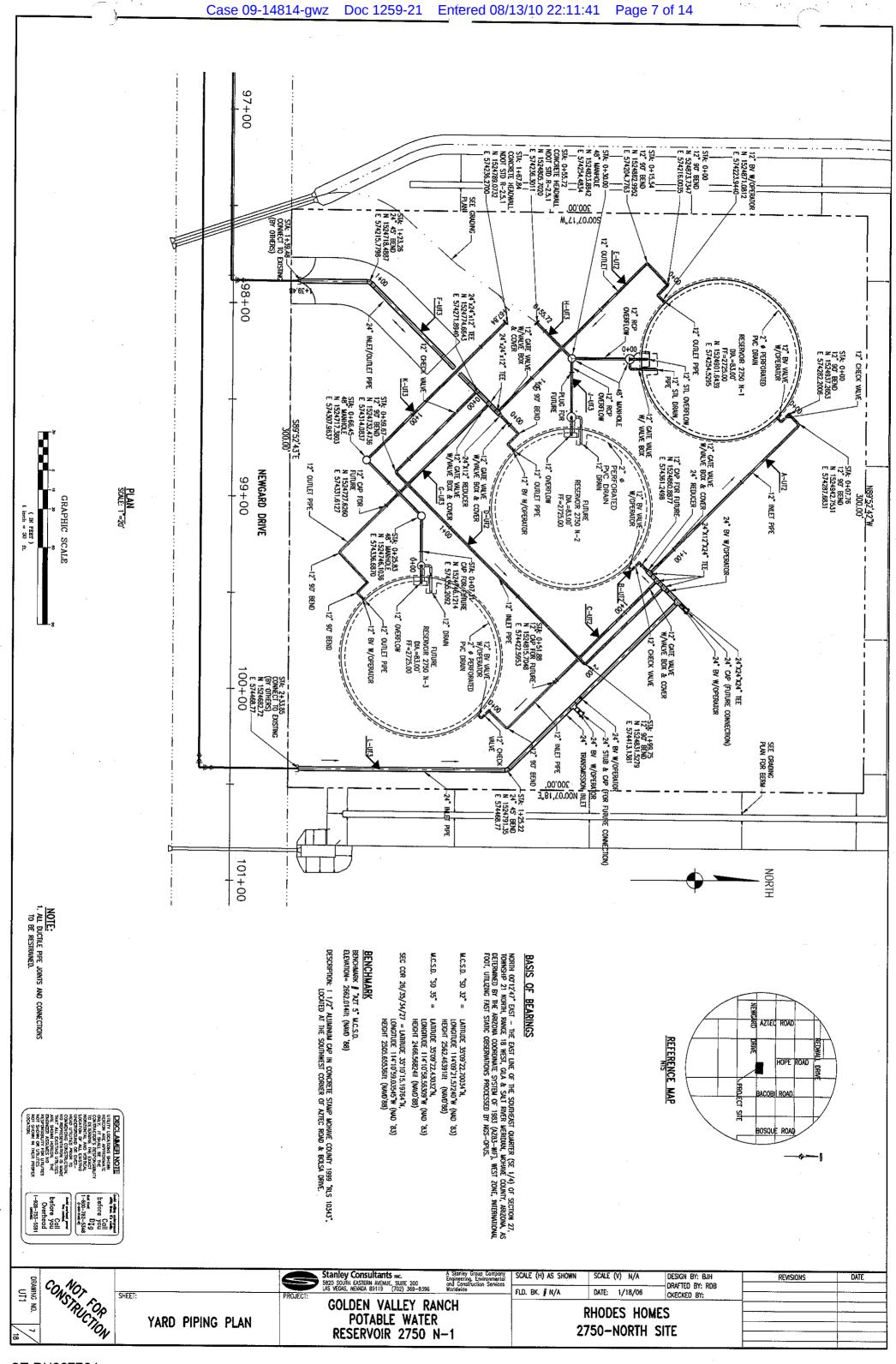
ABBREVIATIONS SHOWN ON THIS LEGEND NOT APPEAR ON THIS SET OF DRAWINGS

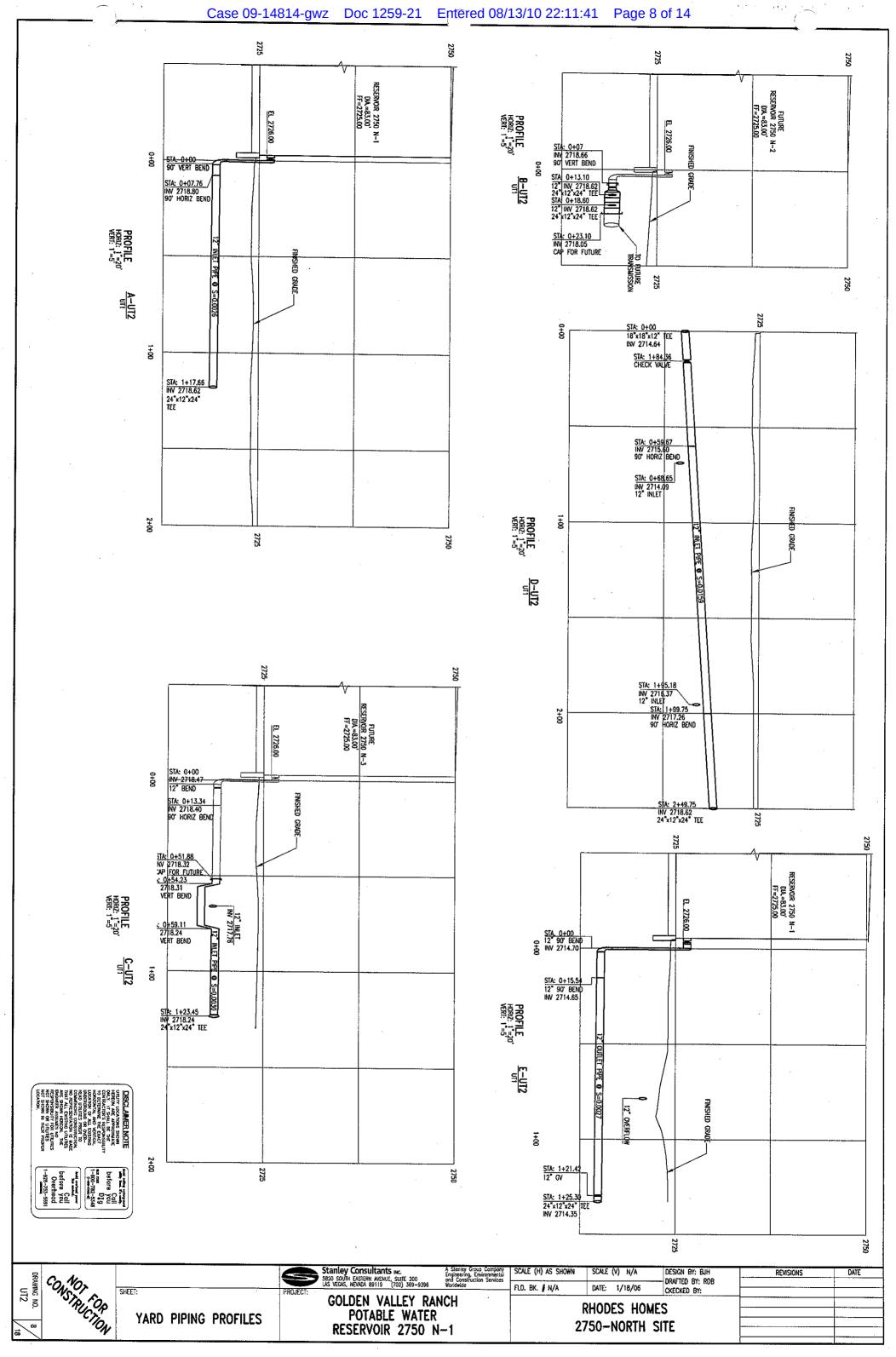


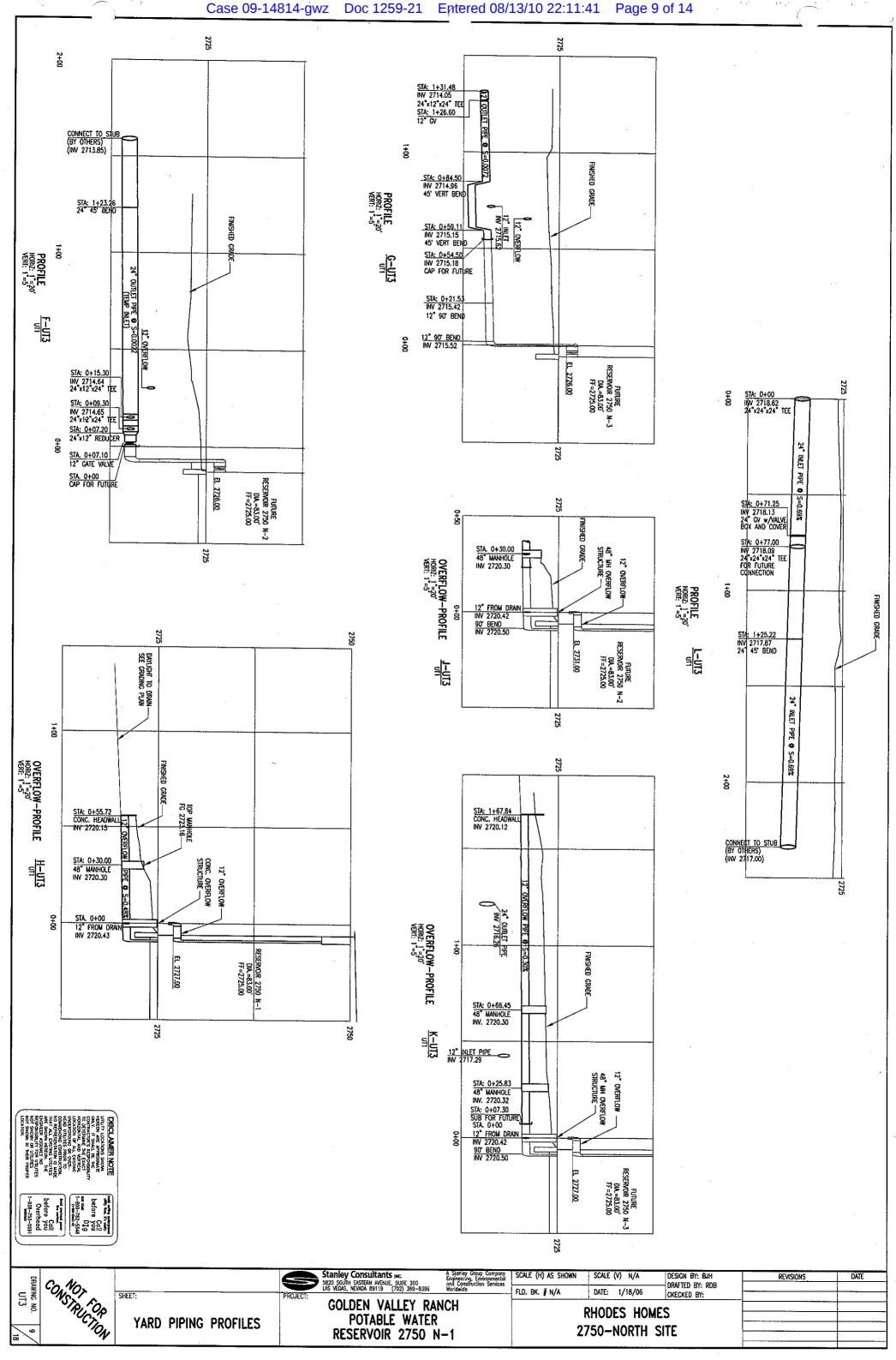


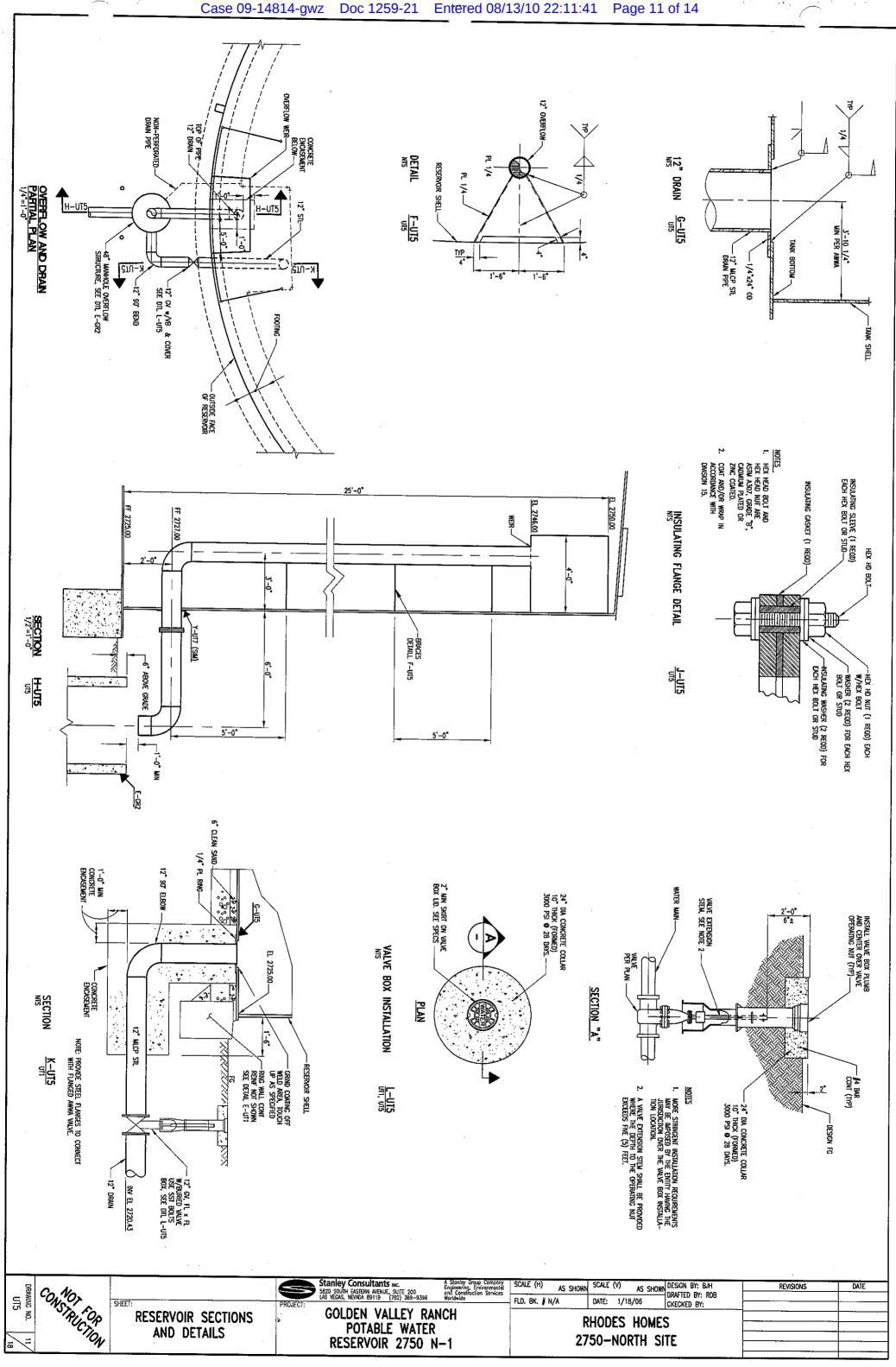


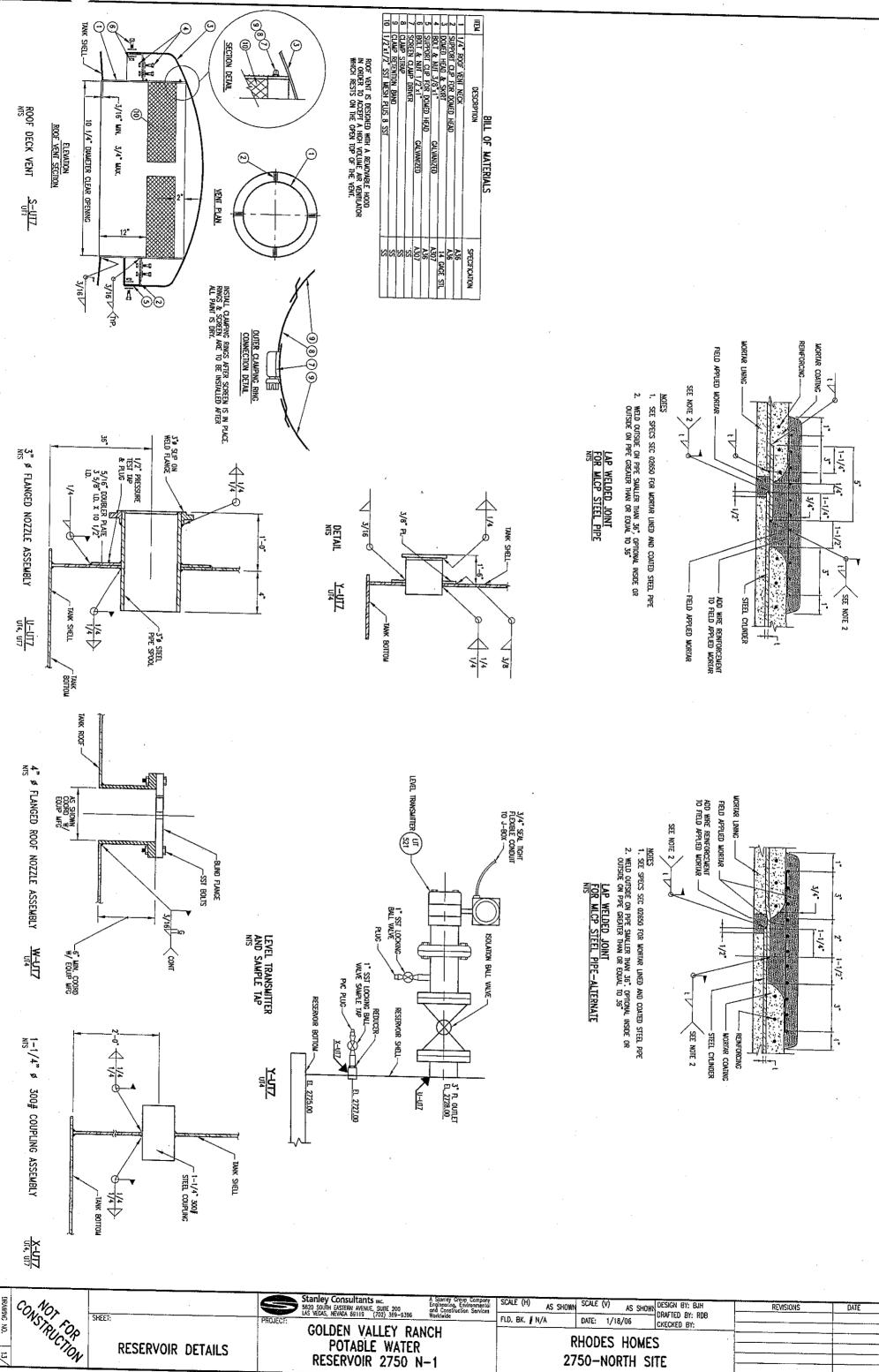






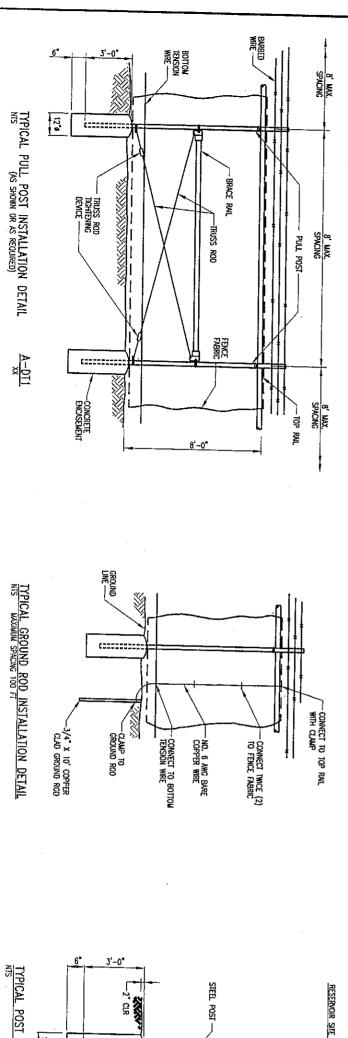


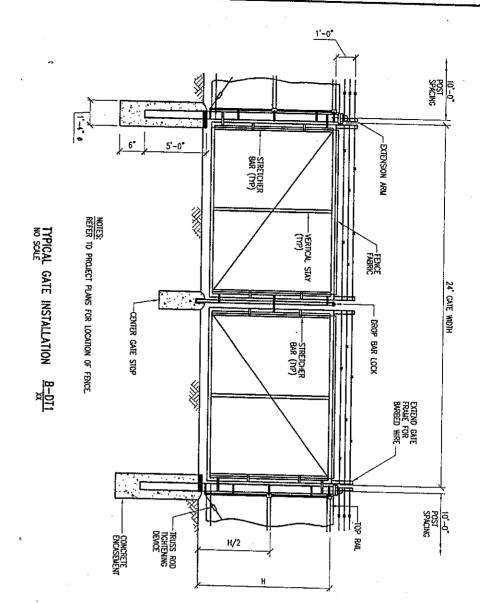


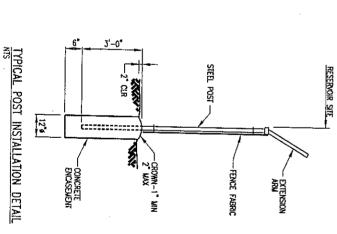


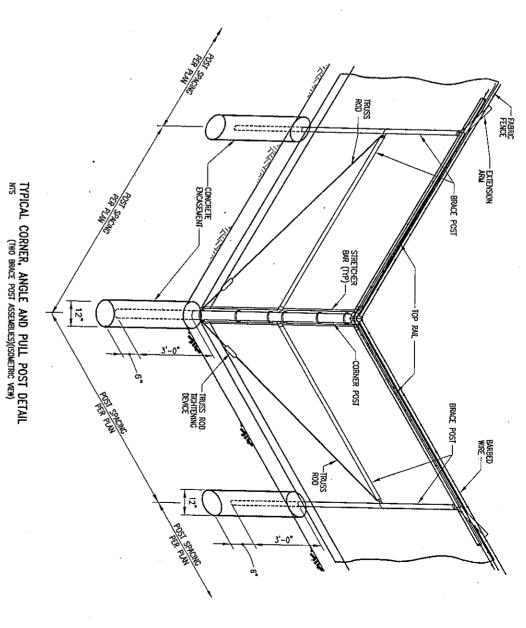
2750-NORTH SITE

ST-RH037770











Stanley Consultants INC. 5820 SOUTH EASTERN AVENUE, SUITE 200 LAS VEGAS, NEVADA 89119 (702) 369-9380 A Stanley Group Company Engineering, Environmental and Construction Services SCALE (H) AS SHOWN SCALE (V) N/A DESIGN BY: BJH DRAFTED BY; RDB REVISIONS DATE SHEET: FLO. BK. # N/A DATE: 1/18/06 FENCE AND GATE GOLDEN VALLEY RANCH RHODES HOMES **DETAILS** POTABLE WATER RESERVOIR 2750 N-1 2750-NORTH SITE

ST-RH037771